

# The Border Widette.

EIGHTEENTH YEAR.

NOGALES, SANTA CRUZ COUNTY, ARIZONA, APRIL 16, 1910.

No. 16.

## There Is Only One Talking Machine THE VICTOR



IT SELLS THE BEST  
IT SOUNDS THE BEST  
IT IS THE BEST

There is only one Sonora News Co., many stores, but all under the same head. The Sonora News Co., in Nogales, sells Victor Talking Machines Exclusively, and quite naturally we are in a position to serve you to the best advantage.

"You will like our way of doing business."

THE SONORA NEWS CO.,  
NOGALES, ARIZONA.

OTHER STORES—City of Mexico, Ricon Antonio, San Luis Potosi, Guadalajara, Monterrey, Parral, Cordoba, Guaymas, Puebla, Torreon, Laredo, Juarez.

The Place to Buy Talking Machines and Records

## Banco de Sonora

Main Office: HERMOSILLO.

BRANCHES: NOGALES, GUAYMAS, ALAMOS  
Y CHIHUAHUA.

CAPITAL PAID UP \$ 1,500,000.00

SURPLUS \$ 1,000,000.00

Branch at Nogales: A. MASCAREÑAS, Manager.

A General Banking Business Transacted.

DEPOSITS RECEIVED IN MEXICAN AND AMERICAN MONEY

PEDRO TRELLES, MAGDALENA, SONORA, MEX.  
P. O. BOX 23.  
Oficina de Ingenieros de Mag- MAGDALENA ENGINEERING  
dalena. OFFICE.  
SURFACE AND UNDERGROUND MINE SURVEYING.



## Montezuma Hotel,

L. J. F. IAEGER, Prop.

The Only First-Class Hotel in Nogales.  
Newly Refitted and Furnished Throughout.

FIRST-CLASS DINING ROOM # RATES REASONABLE.  
DRUMMERS' SAMPLE ROOMS.

## THE LOBBY



When you want to meet a  
friend from out of town, or have  
a business engagement, go to

THE LOBBY

Nogales, Arizona. SHUGART & CALAHAN, Prop.

### QUINNER MILL AND CRUSHER.

Coll's Description of the Cause of the  
Altar Gold Excitement.

By A. Coll in the Mining World.

In March a year ago, Mitt Quinner of Nogales, went into the places country of the Altar district. Sonora, with a new machine, on which he had worked for years. Up to the present time he has extracted \$75,000 gold, while Charlie Peck, of St. Louis, using another machine of the same make has taken out \$100,000.

The machine is a cylinder 6 ft. long and 3 ft. in diameter. A shaft passes through this cylinder and to is attached in spiral form loose chains, 36 to each machine. To the end of these chains are suspended slugs, about 8 inches long, and three inches thick which clear the cylinder itself about 3 inches. When the machine is set in motion; the shaft turns at the rate of 375 revolutions per minute, while the outside cylinder turns at the rate of 28. By centrifugal force the chains stretch out, and the slugs strike the cement and gravel. Theoretically, the slugs strike a blow of 1800 lb. in one round but in practice in one revolution they really strike the flying rock and cement many more times than single blows per round, though probably at reduced momentum. The spiral arrangement causes the flying slugs and chains to act as a grinder, thus forcing the pebbles and rock from the hopper end of the cylinder to the discharge end, and this portion of the conglomerate is at once eliminated from further action in the process. The pulverized cement, black sand and gold passes through the slowly revolving cylinder mesh into troughs below.

This powder and sand is then put into a dry washer. The washer is a series of "frets," with a bellows at the side, which blows off the light dust, leaving the gold and black sand in filter from fret to fret. When a sufficient amount of material has been run through the washer, it is stopped, and the black sand removed. This contains the gold nuggets, the coarseness of the gold in these places making the process possible. With a dry hand pan the sand is worked off, and the gold saved. The black sand contains smaller particles of gold, and this black sand is therefore also saved for future treatment by some other means. The pulverizer uses no water, and the only water required is that in the boiler. This at the present is taken from the pipe line. The mill has a capacity of 600 tons of cement a day. Quinner has been taking out with two machines about 54 oz. gold per day.

The cement deposit averages 12 ft. in depth, but it runs in gulches in many places to much greater depth. Great areas of the placers have been worked over and over, and in fact the machine described are now working on ground which had already been gone over by cruder methods.

The area of the placer is about 250 miles long and 150 miles wide, though it varies in richness. The country is without water, and conditions are difficult.

### Review of the Copper Handbook.

The ninth annual edition of the Copper Handbook, edited and published by Horace J. Stevens, Houghton, Michigan, is just received. This work, which has become a standard authority on the subject, for the entire globe, has, in its latest edition, 1628 octavo pages, containing considerable more than a million words, and, in addition to the miscellaneous chapters, lists and describes no less than 7,751 copper mines and copper mining companies, in all parts of the world, descriptions ranging from two or three lines in the case of companies that have died recently, to sixteen pages in the case of one of the largest mines—a mine by the way, that employs some seven thousand men, and has paid dividends of considerable more than a hundred million dollars. The nine

descriptions are the same as the preceding volume, except that upward of eight hundred new titles have been added, covering descriptions not contained in any previous edition. The chapter of statistics, containing upward of forty tables, treating of copper from almost every conceivable standpoint, has been fully revised, and brought as nearly as possible to date.

The miscellaneous chapters of the book, twenty-four in number, treat of the subject of copper from a great variety of viewpoints, including the history, chemistry, mineralogy, metal lurgy and uses of the metal, and this section of the book also has chapters devoted to substitutes, alloys, brands and grades, and a copious glossary.

The plan on which the book is sold remains the same as for seven years past, the publisher sending the book by mail fully prepaid, to any address ordered, without advance payment of any sort, and subject to approval after a week's inspection. The price is \$5.00. That this unusually liberal plan has proven successful is shown by the statement of the publishers that net losses through returned copies and defaulted payments are less than four per cent. Anyone interested in the subject of copper, as producer, consumer or investor in shares, should write to Mr. Stevens for a copy of the Copper Handbook on the unusually liberal terms noted.

### First Auto in Arizpe.

The natives of Arizpe witnessed the entrance of the first automobile ever seen in that town a few days ago when S. M. Greenidge and J. O. Smith made a trip there. Crowds of the natives surrounded the machine and a record of its coming to the city was made on the town's books. C. I. McKeenolds drove the second machine into the city the following day. Both machines made the run without mishap, the time going down was made in the neighborhood of four hours and a quarter.—The Sonora News.

### Old Cochise Gets Rain.

Rain came last night after many days of anxious waiting, and, while the amount which fell was infinitesimal indeed, compared with the needs of the valleys, yet the quantity precipitated to earth was a life saver to stock, says the Bisbee Miner of April 9th. It is now probable that with a later rain or two to fill water holes and freshen the ranges, stock will be able to survive, although in rather poor condition, until the opening of the regular rainy season.

Reports from outlying districts indicate that the precipitation was even heavier there than in the city. At Courtland and vicinity the fall was very heavy. Auto drivers report that just outside of the little camp they ran through several inches of water over the roadway. From Naco a report of a moderate rainfall was received.

### TERRITORIAL NOTES

Items of Interest Culled From Our Exchanges.

The government has made an offer of \$13,000 to the Mesa Canal company for its property holdings in the Salt River valley.

The financial report of the Maricopa board of supervisors on April 1 shows that the county is possessed of \$373,394.89 in real money.

The territorial fair commission held a meeting in Phoenix Saturday to make plans for the preliminary arrangements for the big fair this fall at the Capital city.

Bisbee has decided to have a big Fourth of July celebration of her own, turning down the offer of her sister city Douglas to have a joint celebration at the latter camp.

With the intention of erecting in the near future an imposing building to cost not less than \$75,000, the Mystic Shrine of Phoenix has purchased a lot for the purpose at a cost of \$10,000.

The Nebraska & Arizona Copper Company has resumed work on their claims in the Paradise district after a suspension of a month, caused by the death of President Hayward of the company.

The Mohave County Miner says the Colorado river at Fort Mohave is within a foot of the high mark established last year, and it is expected that a new high record will be made before the present flood subsides.

The cattle shipping season will soon begin, and many thousands of the beef product of Arizona will be sent to market within the next few months. On account of the range drouth the shipment this season will be larger than ever.

Territorial Secretary George U. Young has turned over to the territorial treasurer insurance tax fees for the current year to the amount of \$36,439.07, representing a total of \$1,701,872.07 collected as premium in the territory.

While engaged in excavation work in the Williamson valley near Prescott, workmen unearthed the skeleton of a human being which is, doubtless that of a member of some aboriginal tribe which inhabited the valley hundreds of years before the advent of the white man.

Since Arizona was wrested from the domination of the Apaches, says the Phoenix Republican, no rush in the location of agricultural lands ever equalled that displayed in that section of the Salt River valley, fifteen miles east of Mesa, thrown open for settlement on February 5 of this year.

We are informed that Phoenix is to have a new morning paper, of which Mr. Bell, late of the Democrat, is to be one of the publishers. It is to be democratic in politics and will compete with the Republican as a state paper. A strong stock company has been organized to back the proposition.—Mesa Free Press.

Lowell saloons won their contention that they should be granted licenses by a decision of the supreme court at Phoenix last week. Licenses had been withheld by the sheriff of Cochise county under the statute that no licenses should be granted for the operation of a saloon within a mile of the limits of an incorporated city. The supreme court refused to uphold the sheriff on the ground that Lowell is a village in the accepted sense of the term.

During the last two weeks of March there was shipped to the Copper Queen smelter at Douglas from the mining districts in Sonora bordering on the Nacozari railroad, 152 cars of ore, most of which came from Montezuma company at Nacozari. The value of the ores in Mexican currency totals \$59,900 pesos the value in the various mineral being as follows: Copper, 667,800; silver, 123,400; gold, 68,700 pesos. That portion of Sonora is coming to the front with wonderful strides.

The El Paso postcard, designed by S. E. Epler, secretary of the Yuma County Commercial Club, on which "Dad" Jourdan, dressed as Uncle Sam holding four aces, is the center figure, is being used extensively to advertise the Yuma Project and the Yuma valley. A copy of this card, on which is printed a message to congress, is being mailed to each senator and representative in congress by the secretary of the Commercial Club. It is an appeal for the passage of the \$30,000,000 appropriation bond issue for funds to complete the reclamation project now under construction. The card has to be seen to be appreciated.—Yuma Sun.

### OFFICIAL PROCEEDINGS

—OF THE—  
Board of Supervisors of Santa Cruz County.

Office of the Board of Supervisors,  
of Santa Cruz County, Nogales,  
Arizona, March 7, 1910.

The Board of Supervisors met pursuant to adjournment of February 7th, 1910.

Present, Chairman Ashburn, Members Parker and Henderson and Clerk Herold.

Minutes of meetings of December

30 and 31st, 1909, and January 3rd, 24th and February 7th, 1910, read and approved.

The Board now audited and allowed the following demands:

Pete Bergier, bounty,	\$ 40 00
D A Sanford, Jr., bounty....	28 00
Tom Mannion, bounty.....	3 00
Will Hathaway, bounty.....	23 00
C Oarello, bounty.....	2 00
Mary de V Hunt, feeding prisoners, February, 1910.	183 40
A L Peck, team hire district attorney's office....	10 00
E D Miller, assigned to First National Bank of Nogales, printing and publishing....	38 00
A L Gustetter, post mortem examination on body of Dr A S Russell.....	25 00
A O Kingsley, care of indigent sick February 1910....	222 50
Escalada Brothers, supplies for jail.....	7 50
Semler & Huntington's jail door Patagonia.....	20 00
Escalada Brothers, merchandise for indigents.....	30 00
A O Gerrie, assigned to Henderson & Johnson, bounty.	9 00
Domingo Franco, bounty....	8 00
Ed Ragan, bounty.....	2 00
American Drug Store, merchandise for jail.....	2 00
J Carrab-jol, burial of indigent.....	15 00
B F States, work on Patagonia jail.....	2 00
Nogales Electric Light, Ice & Water Co, lights February 1910.....	8 00
R Farrill, justice of the peace fees, Precinct No 5	4 00
Wallace & Summerhayes, surveying and mapping for district attorney's office....	20 00
Washington Trading Company, merchandise for indigent.....	3 00
Mrs A Barthlieth, account M Medena, indigent.....	3 26
Geo B Marsh, Inc, supplies, O Phelps, care of indigent sick.....	43 00
Con. T. T. & E Co, telephone rental, February 1910....	12 85
O A Proctor, erroneous taxes	12 56
J W Leebey, assigned First National Bank of Nogales guard jail February 1910.	60 00
G H McIntyre, copyist recorder's office February, 1910.....	75 00
J J Lowe, jailor, February 1910.....	75 06
H J Karns, automobile hire, district attorney's office....	29 00
H J Karns, automobile hire, district attorney's office....	7 50
L E Ross, taking testimony Territory vs. S O'Connor..	10 60
Nick Farrell, special constable Precinct No. 5.....	17 00
Nogales Water Company, water February, 1910....	36 90
Henry Ohm appeared before the Board with reference to the fence in front of the Palo Parado school house and stated that if the trustees would place a fence around the school house, that he would remove fence that he has there.	

Report of O Phelps, justice of the peace Precinct No. 12, for the quarter ending December 31st, 1910, audited and filed.

Upon motion, duly carried it was ordered that the county surveyor be instructed to survey the Calabasas school district.

Upon motion, duly carried, it was ordered that the appointment of J. L. Gatlin, as ranger deputy sheriff, made by Sheriff H. J. Saxon, be and the same is hereby approved by the Board. It is further ordered that the compensation of said deputy sheriff be fixed at \$50.00 per month, payable monthly.

Upon motion, the Board now stood at recess until Tuesday, March 8th, 1910, at 10 a. m.

Approved:

O. F. ASHBURN,

Attest: PHIL HEROLD, CLERK.